

**MAIL TO:**

STATE OF UTAH  
 DIVISION OF PURCHASING  
 3150 STATE OFFICE BUILDING, CAPITOL HILL  
 P.O. BOX 141061  
 SALT LAKE CITY, UTAH 84114-1061  
 TELEPHONE (801) 538-3026  
 FAX (801) 538-3882  
<http://purchasing.utah.gov>

**Request for Quotation**Solicitation Number: **GL5006**Due Date: **10/12/04**

Date Sent: October 1, 2004

Goods and services to be  
 purchased:

**TRUCK MOUNTED MECHANICS' BODY WITH CRANE AND HYDRAULIC COMPRESSOR TO BE  
 MOUNTED ON A UDOT PROVIDED FORD SUPER DUTY FORD F450**

**Please complete**

Company Name		Federal Tax Identification Number	
Ordering Address	City	State	Zip Code
Remittance Address (if different from ordering address)	City	State	Zip Code
Type <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Proprietorship <input type="checkbox"/> Government	Company Contact Person		
Telephone Number (include area code)	Fax Number (include area code)		
Company's Internet Web Address	Email Address		
Discount Terms (for bid purposes, bid discounts less than 30 days will not be considered)	Days Required for Delivery After Receipt of Order (see attached for any required minimums)		

The following documents are included in this solicitation: Solicitation forms, instructions and general provisions, and specifications. Please review all documents carefully before completing.

The undersigned certifies that the goods or services offered are produced, mined, grown, manufactured, or performed in Utah. Yes\_\_\_\_\_ No\_\_\_\_\_. If no, enter where produced, etc.\_\_\_\_\_

Offeror's Authorized Representative's Signature	Date
Type or Print Name	Position or Title

**STATE OF UTAH  
DIVISION OF PURCHASING &  
GENERAL SERVICES**

**Request for Quotation**

Solicitation Number: (BID NUMBER)

Due Date: (DUE DATE)

Vendor Name:

Item#	Qty	Unit	Description	Unit Price	Extension
1	1	EACH	TRUCK MOUNTED MECHANICS' BODY WITH CRANE AND HYDRAULIC COMPRESSOR TO BE MOUNTED ON A UDOT PROVIDED FORD SUPER DUTY FORD F450	\$	\$
FOR BID PROCESSING QUESTIONS, PLEASE CONTACT DAVID GILL AT 801-538-3254 FOR QUESTIONS REGARDING THE SPECIFICATIONS, PLEASE CONTACT PAUL ROTTMANN AT 801-965-4078  ***** REF: RX 810 56300000011 COMMODITY: 76513					

**Ship To:** DEPARTMENT OF TRANSPORTATION  
CENTRAL SHOPS  
4501 SOUTH 2700 WEST  
SALT LAKE CITY, UT 84119

**FREIGHT CHARGES (if applicable)**

SHIPPING POINT AND ZIP CODE	
SHIPPING WEIGHT	
MODE OF TRANSPORTATION (Please check one)	
Q Small package/Ground      Q LTL(Less than truck load)      Q Truckload      Q Air      Q Other (Please specify)	
NMFC Class # _____	
NMFC Item # _____	
TOTAL PRICE LESS FREIGHT (FOB Origin)	\$
TOTAL PRICE INCLUDING FREIGHT (FOB Destination)	\$

**1. QUOTATION PREPARATION:** (a) All prices and notations must be in ink or typewritten. (b) Price each item separately. Unit price shall be shown and a total price shall be entered for each item bid. Errors may be crossed out and corrections printed in ink or typewritten adjacent and must be initialed in ink by person signing quotation. (c) Unit price will govern, if there is an error in the extension. (d) Delivery time is critical and must be adhered to as specified. (e) Wherever in this document an item is defined by using a trade name of a manufacturer and/or model number, it is intended that the words, "or equivalent" apply. "Or equivalent" means any other brand that is equal in use, quality, economy and performance to the brand listed as determined by the Division of Purchasing & General Services (DIVISION). If the vendor lists a trade name and/or catalog number in the bid, the DIVISION will assume the item meets the specifications unless the quote clearly states it is an alternate, and describes specifically how it differs from the item specified. All quotes must include complete manufacturer's descriptive literature if quoting an equivalent product. All products are to be of new, unused condition, unless otherwise requested in this solicitation. (f) By signing the quotation the vendor certifies that all of the information provided is accurate, that they are willing and able to furnish the item(s) specified, and that prices quoted are correct. (g) This quote may not be withdrawn for a period of 60 days from quote due date. (h) Incomplete quotes may be rejected.

**2. SUBMITTING THE QUOTATION:** (a) The quote must be signed in ink and returned to the DIVISION OF PURCHASING, 3150 State Office Building, Capitol Hill, Salt Lake City, UT 84114-1061 or faxed to (801) 538-3882 by the due date and time. **The "Solicitation Number" and "Due Date" must appear on the outside of the envelope or on the fax cover page.** (b) The state will consider faxed quotes. Faxed quotes are submitted at the sole option and risk of the vendor and must be responsive to all conditions and specifications included in the Request for Quotation (RFQ). Access to state facsimile machine is on a "first come first served" basis and the state does not guarantee the vendor's access to the machine at any particular time. (c) All prices quoted must be both F.O.B. Origin and F.O.B. Destination. Additional charges including but not limited to delivery, drayage, express, parcel post, packing, cartage, insurance, license fees, permits, costs of bonds, or for any other purpose must be included in the quotation for consideration and approval by the DIVISION. Upon award of the contract, the shipping terms will be F.O.B. Destination, Freight Prepaid with freight charges to be added to the invoice unless otherwise specified by the DIVISION.

**3. SOLICITATION AMENDMENTS:** All changes to this solicitation will be made through written addendum only. Bidders are cautioned not to consider verbal modifications.

**4. PROPRIETARY INFORMATION:** Suppliers are required to mark any specific information contained in their quote which is not to be disclosed to the public or used for purposes other than the evaluation of the quote. Each request for non-disclosure must be accompanied by a specific justification explaining why the information is to be protected. Pricing and service elements of any quote will not be considered proprietary. All material becomes the property of the state and may be returned only at the state's option. Quotes submitted may be reviewed and evaluated by any persons at the discretion of the state.

**5. SAMPLES:** Samples of item(s) specified in the RFQ, when required by DIVISION, must be furnished free of charge to DIVISION. Any items not destroyed by tests may, upon request made at the time the sample is furnished, be returned at the vendor's expense.

**6. WARRANTY:** The contractor agrees to warrant and assume responsibility for all products (including hardware, firmware, and/or software products) that it licenses, contracts, or sells to the State of Utah under this contract for a period of one year, unless otherwise specified and mutually agreed upon elsewhere in this contract. The contractor (seller) acknowledges that all warranties granted to the buyer by the Uniform Commercial Code of the State of Utah applies to this contract. Product liability disclaimers and/or warranty disclaimers from the seller are not applicable to this contract unless otherwise specified and mutually agreed upon elsewhere in this contract. In general, the contractor warrants that: (1) the product will

do what the salesperson said it would do, (2) the product will live up to all specific claims that the manufacturer makes in their advertisements, (3) the product will be suitable for the ordinary purposes for which such product is used, (4) the product will be suitable for any special purposes that the State has relied on the contractor's skill or judgement to consider when it advised the State about the product, (5) the product has been properly designed and manufactured, and (6) the product is free of significant defects or unusual problems about which the State has not been warned. Remedies available to the State include the following: The contractor will repair or replace (at no charge to the State) the product whose nonconformance is discovered and made known to the contractor in writing. If the repaired and/or replaced product proves to be inadequate, or fails of its essential purpose, the contractor will refund the full amount of any payments that have been made. Nothing in this warranty will be construed to limit any rights or remedies the State of Utah may otherwise have under this contract.

**7. DIVISION APPROVAL:** Purchase Orders placed, or contracts written, with the State of Utah, as a result of this RFQ, will not be legally binding without the appropriate signature of the DIVISION.

**8. AWARD OF CONTRACT:** (a) **This is an informal quotation which will not be read at a public opening;** however, the information may be publicly reviewed after award. To obtain a copy of this record (tabulation) you may either enclose a stamped self-addressed envelope, or review tabulation in our office. (b) The contract will be awarded with reasonable promptness, by written notice to the lowest responsible vendor that meets the specifications. Consideration will be given to the quality of the product(s) to be supplied, conformity to the specifications, the purpose for which required, delivery time required, discount terms and other criteria set forth in this request for quotation. (c) The DIVISION may accept any item or group of items, or overall low quote. (d) The DIVISION has the right to cancel this request for quotation at any time prior to the award of contract. (e) The DIVISION can reject any and all quotes or waive any informality, or technicality in any quote received, if the DIVISION believes it would serve the best interest of the State. (f) Before, or after, the award of a contract the DIVISION has the right to inspect the vendor's premises and all business records to determine the holder's ability to meet contract requirements. (g) Estimated quantities are for quoting purposes only, and not to be interpreted as a guarantee to purchase any amount. (h) Utah has a reciprocal preference law which will be applied against vendors quoting products or services produced in states which discriminate against Utah products. For details see Section 63-56 20.5 -20.6, Utah Code Annotated. (i) Multiple contracts may be awarded if the State determines it would be in its best interest.

**9. ANTI-DISCRIMINATION ACT:** The vendor agrees to abide by the provisions of the Utah Anti-discrimination Act, Title 34 Chapter 35, U.C.A. 1953, as amended, and Title VI and Title VII of the Civil Rights Act of 1964 (42 USC 2000e), which prohibit discrimination against any employee or applicant for employment, or any applicant or recipient of services, on the basis of race, religion, color, or national origin; and further agrees to abide by Executive Order No. 11246, as amended, which prohibits discrimination on the basis of sex; 45 CFR 90 which prohibits discrimination on the basis of age, and Section 504 of the Rehabilitation Act of 1973, or the Americans with Disabilities Act of 1990, which prohibits discrimination on the basis of disabilities. Also vendor agrees to abide by Utah's Executive Order, dated March 17, 1993, which prohibits sexual harassment in the workplace. Vendor must include this provision in every subcontract or purchase order relating to purchases by the State of Utah to insure that the subcontractors and vendors are bound by this provision.

**10. DEBARMENT:** The CONTRACTOR certifies that neither it nor its principals are presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction (contract) by any governmental department or agency. If the CONTRACTOR cannot certify this statement, attach a written explanation for review by the STATE.

**11. GOVERNING LAWS AND REGULATIONS:** All state purchases are subject to the Utah Procurement Code, Title 63 Chapter 56 U.C.A. 1953, as

amended, and the Procurement Regulations as adopted by the Utah State Procurement Policy Board. These are available on the Internet at (Revision14 Mar 2003 - RFQ Instructions)  
[www.purchasing.utah.gov](http://www.purchasing.utah.gov)

## PUBLICATION

This specification is a product of the Utah Department of Transportation, hereinafter referred to as STATE. STATE does not assume nor accept any liability when this specification is used in the procurement process by any other entity unless it is an agency of the State of Utah. This bid will result in one unit being purchased.

## PART I: GENERAL CLAUSES AND CONDITIONS

1. The equipment furnished under this specification shall be the latest improved model in current production, as offered to commercial trade, and shall be of quality workmanship and material. The supplier represents that all equipment offered under this specification shall be new. DISCONTINUED MODELS ARE NOT ACCEPTABLE.
2. **Supplier shall submit, with the bid, in duplicate, the latest detailed specifications for the offered equipment.** Supplier should submit the latest literature, in duplicate; the literature is for informational purposes only.
3. The unit shall be completely assembled and adjusted. All equipment, including standard and supplemental equipment, shall be installed and the unit shall be serviced and ready for continuous operation.
4. All parts not specifically mentioned, but are necessary for the unit to be complete and ready for operation, or which are normally furnished as standard equipment, shall be furnished by the supplier. All parts shall conform in strength, quality and workmanship to the accepted standards of the industry.
5. The unit provided shall meet or exceed all Federal and State of Utah safety, health, lighting and noise regulations and standards in effect, and which are applicable to equipment furnished, at the time of acceptance.
6. It is the intent of STATE to purchase goods, equipment and services having the least adverse environmental impact, within the constraints of statutory purchasing requirements, departmental need, availability, and sound economical considerations. Suggested changes and environmental enhancements for possible inclusion in future revisions of this specification are encouraged.
7. STATE encourages all manufacturers to comply, voluntarily, with the Society of Automotive Engineers (SAE) recommended practices.
8. Measurements will be given in the English system.
9. Requests for exception(s) to this specification must be submitted, by fax (801) 965-4073 or email ([prottmann@utah.gov](mailto:prottmann@utah.gov)) to Paul Rottmann, not later than Two (2) business days prior to the bid date. Addenda will be issued to all known bidders and posted on the Utah State Purchasing website, [www.purchasing@utah.gov](http://www.purchasing@utah.gov). **Exceptions shall not be granted to requests made after this deadline.**
10. Failure to provide and comply with Part I of bidder submitted specifications will result in bid(s) being declared non-responsive.

## PART II, GENERAL SPECIFICATIONS

1. **SCOPE:**  
This specification describes truck mounted mechanic body, crane and hydraulic air compressor to be mounted on a STATE provided Ford Super Duty F450 chassis with an 84" cab to axle measurement, 6 speed manual transmission, dual rear tires and hydraulics powered by a PTO driven hydraulic system.

The Bidder's specifications shall meet or exceed all the following requirements.

**2. NOTICE TO BIDDERS:**

Any example shown is listed to show type and class of equipment desired. Bidders are cautioned to read the specifications carefully, as there may be special requirements not commonly offered by the equipment manufacturer. Do not assume your standard equipment meets all detailed specifications merely because it is listed as an example. Bidders are cautioned that units delivered to the FOB points, which do not meet specifications in every aspect will not be accepted and will be returned at the Bidder's expense.

**EXAMPLE; Dominator 1- 2020 IMT Crane - DA435 Compressor  
Titan 25- 5050H Auto Crane -AC 30A Compressor**

**PART III, DETAILED SPECIFICATIONS, Body, Crane, and Hydraulic Air Compressor.**

**1. Detail Specification**

- 1.1 Shall be a hydraulically PTO driven crane and compressor
- 1.2 132" long x 44" high x 92" wide (minimum).

Comply\_\_\_\_\_Exception\_\_\_\_\_

**2. CARGO DECK**

- 2.1 Shall be 11 gauge minimum 1 piece galvanized tread plate
- 2.2 The cargo space between the compartments shall be approximately 50" wide and there shall be no wheel wells protruding into the cargo deck area.
- 2.3 There shall be a minimum of (4) evenly spaced, 6,000-lb capacity, flush mounted tie down rings.
- 2.4 The front five feet shall be covered with 12-gauge galvanized steel with reinforcement.

Comply\_\_\_\_\_Exception\_\_\_\_\_

**3.0 Doors, Hinges and Pins**

- 3.1 The doors on the body shall be constructed of 14-gauge, seamless, full perimeter hem reinforced, galvanized steel. Each door will utilize stainless steel hardware and keyed alike. All doors shall be equipped with spring loaded, positive stop retainers. The doors shall be sealed completely from any type of weather condition.

Comply\_\_\_\_\_Exception\_\_\_\_\_

**4.0 Compartments (sizes may vary with different manufacturers)**

- 4.1 All compartments except the crane box structure, shall be constructed of galvanized steel, The compartment side packs shall be constructed of a combination of 12 and 14 gauge galvanized steel with 1/8" thick tread plate tops and backs. Each side pack shall incorporate an integral outside drip eave. All compartments shall be made weather resistant. There shall be (2) grab handles provided at the rear of the body to assist in accessing the load bed.
- 4.2 The right and left front vertical compartments shall have overlapping, double doors. Adjustable shelving brackets are provided. The right front compartment shall be 60"h x 41"w x 21"d, nominal.

The door opening shall be a nominal 54-3/4" h x 36" w. The left compartment shall be 60" h x 41" w x 21" d, nominal. The door opening shall be a nominal 54-3/4" h x 36" w.

- 4.3 The left front compartment will house a drawer unit with one 7", two 5", and five 3" drawers. Drawer unit will have a powder coat finish, 250lb. Capacity ball-bearing slides, and (5) front to rear dividers.
- 4.4 The right front compartment will have fluted vents that minimize moisture, while ridding pressurization bottles, storage racks, retractable hose reel for torch hose and tie downs shall be provided. A full height divider shall separate compartment and have (2) adjustable shelves in the remaining area.
- 4.5 The second right hand and left hand vertical compartments shall have a single door with a locking device that interconnects with two-point, T-handle latches to prevent door from opening while in driving position. Adjustable shelving brackets shall be provided, with (2) adjustable shelves per side, compartments shall be 44" h x 19" w x 21" d.
- 4.6 The horizontal compartments shall have a single door. Adjustable shelving brackets are provided. The compartments shall be 24" h x 47" w x 21" d, nominal. To include a book divider on street side.
- 4.7 The right rear compartment shall be constructed from a one-piece 3/16" steel sides and 1/2" steel top with reinforcing vertical plates welded perpendicular to the top plate. This compartment shall be structurally connected to the torsion box sub-frame and the outriggers housing support members. The compartment shall be 44" h x 27" w x 21" d, nominal for both left and right.
- 4.8 The front side of the body to have full height aluminum rock guard for paint protection.

Comply \_\_\_\_\_ Exception \_\_\_\_\_

## 5.0 Outriggers

Rear outriggers are to be manually extending on the curbside of the body and hydraulic extent up and down.

Comply \_\_\_\_\_ Exception \_\_\_\_\_

## 6.0 Bumper

A 20" workbench bumper shall be provided with an intergral through compartment for storage of long tools. A central recess will be furnished along with a combination Premier 150 pintle/ball hitch and 6-way trailer plug. To include a heavy duty 5-1/2" Wilton vice mounted on the bumper with removable plate.

Comply \_\_\_\_\_ Exception \_\_\_\_\_

## 7.0 Bolt Bin

A bolt bin shall be supplied in the 2<sup>nd</sup> street side compartment with 16 individual compartments.

Comply \_\_\_\_\_ Exception \_\_\_\_\_

## 8.0 Body Preparation

The body assembly shall be washed with hot alkaline cleaner, phosphate coated and rinsed with a seal coat to prevent flash rusting. The body shall be baked dry, undercoated with rubberized polyurethane and prime painted. The unit will be painted with Imron to a total finish of 3 mils, then baked dry.

Comply\_\_\_\_\_Exception\_\_\_\_\_

## 9.0 Miscellaneous

All legal lights, mud flaps and any other standard items to meet Federal & State regulations.  
Four work light mounted on body, one on each corner.

Comply\_\_\_\_\_Exception\_\_\_\_\_

## 10.0 Crane

- 10.1 Design: The same manufacturer of the body. The crane & body are engineered using stress analysis to ensure compatibility & stabilization to complete package.
- 10.2 Capacity: The crane capacity shall have a capacity of 20,000 ft. lbs.
- 10.3 Power extension- shall extend from 11' to 15' under hydraulic power by means of an internally mounted hydraulic cylinder, with an additional 5' manual extension.
- 10.4 Power rotation: The crane shall rotate hydraulically 380 degrees on a turntable roller bearing with external gear teeth.
- 10.5 Power elevation: Boom elevation shall be achieved hydraulically. The boom shall be capable of elevation to 80 degrees above the horizontal to minimize the "dead area" around the base of the crane, and 10 degrees below the horizontal.
- 10.6 Hoist: The crane shall have a hoist or winch function equipped with 100' of 7/16" 6 x 25 FW PRF RRL IWRC XIPS wire rope (or equal) The winch shall have a single line lifting capacity of 5500 lbs. The winch shall be hydraulic in nature and powered by a hydraulic motor through a worm gear. The winch shall feature an automatic quick release mechanical brake. An anti-two block device shall be furnished.
- 10.7 PTO Drive System: The crane shall feature an open-centered, full pressure hydraulic system that requires a PTO driven gear pump which supply 8 GPM optimum oil flow at 2750 phi. Minimum.
- 10.8 Controls: The crane shall be operated by remote control cable with at least 25 feet in length. The control shall be of such design that the operator has the capability of operating 2 functions simultaneously under load and operator shall have the capability of "feathering" the movement of the boom.
- 10.9 Electrical system: All 12VDC in-line wiring connections will utilize sealed, hinge lock connectors. Main power will be circuit protected at the source and will be activated via a power distribution relay.
- 10.10 Electronic engine speed for high throttle operation.
- 10.11 Additional spring leaf for truck to accomodate crane.

Comply\_\_\_\_\_Exception\_\_\_\_\_

## 11.0 Air Compressor



A hydraulic driven air compressor shall be provided. The compressor shall have a nominal delivery of 35 cfm @ 100 psi with a working pressure of 150 psi. at the tank. A 30-gallon air receiver will be furnished and mounted underneath the crane body with cable mounted air drains. A heavy duty, high pressure, spring retractable hose reel with a heavy duty gauge steel frame and dual support arms will be mounted in the right rear compartment. The reel shall feature a positive lock and unlock ratchet and shall be equipped with a 1/2" x 50' of hose and ball stop. A separator-regulator-oiler shall be furnished mounted in the right rear compartment in line before reel. A four-roller opening will allow the reel to be pulled from the compartment without opening the door.

Comply\_\_\_\_\_Exception\_\_\_\_\_

#### **PART IV: OPTIONS**

THE FOLLOWING OPTION'S ARE IN ADDITION TO THE SAME GENERAL SPECIFICATION.

OPTION #1     Radio remote controller.

*Option price*\_\_\_\_\_

#### **PART V: DELIVERY, DOCUMENTATION, ACCEPTANCE AND PAYMENT**

##### **1. DELIVERY REQUIREMENTS**

1.1 Delivery shall be within 90 days after receipt of order. At State's option, an extension may be granted, whichever is in State's best interest. Unless a delivery extension is granted for acceptable reasons due to circumstances beyond the vendor's control, liquidated damages of \$20.00 will be deducted from the invoice for every working day after the expiration of the number of days shown on the purchase order until the units are delivered. This provision is not intended as a penalty but as liquidated damages.

1.2 Delivery shall be at no additional charge for locations within a fifty (50) mile radius of the State Capital building.

##### **1.3 DOCUMENTATION**

1.3.1 Delivery must include Supplier's Invoice, a Copy of Warranty(s) and an Operator's Manual for unit.

1.3.2 Delivery must also include three (2) complete sets of parts lists, and three (2) sets of shop (repair) manuals at no additional charge.

##### **1.4 ACCEPTANCE**

1.4.1 All equipment ordered with this request will be subject to acceptance inspection and performance testing upon receipt.

1.4.2 Acceptance inspection and performance testing will not take more than five working days, weather permitting.

- 1.4.3 The vendor will be notified within this time frame of any units that do not comply with the purchase order specifications.
- 1.4.4 If any units are canceled for non-acceptance, the needed equipment may be purchased elsewhere and the vendor may be charged full increase, if any, in cost and handling.

#### 1.5 PAYMENT

Invoices will not be approved for payment until all of the required spare parts, filters, documentation and manuals have been received and the equipment has been accepted.

## 2. TRAINING

1. **INSTRUCTION ON SAFETY, OPERATION AND MAINTENANCE:** The vendor shall provide the services of a competent, factory-trained, technician thoroughly trained in the use and operation of the units offered to STATE.
2. Vendor shall provide instruction on safety, operation and preventive maintenance of the units, after the units have been delivered and is ready for operation but prior to payment. The instruction shall include a full demonstration of all units' functions on the unit(s) delivered. Instruction shall identify potentially hazardous situations when working.
3. **LESSON PLAN:** The supplier shall furnish a copy of the unit's manufacturer's approved lesson plan for the instructional training required, within 30 days after award of the purchase order. The lesson plan may be taken from the operator's manual, provided all necessary information and included the following:
  1. **Operator training** will be designed to familiarize personnel with operation characteristic and operator checks of the new equipment, to include:
    2. Operating procedures per operating manual.
    3. Break-in procedures.
    4. Equipment limitations.
    5. Operator maintenance.
    6. Before operations checks and lubrication.
    7. Safety.
    8. Cold weather operations.
    9. Welding on equipment.
    10. Lifting or transporting.
    11. Instruments and controls.
    12. Gauge interpretation.
  13. Equipment operation, Do's and Don't.
  14. **Mechanic training** shall be designed to familiarize service and repair technicians with service checks and techniques, adjustments, and any unique requirements associated with the entire unit.